

# EXHIBIT X

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV 596704594 US, on the date shown below in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: May 18, 2007

Signature:   
(Rosemarie Puljic-Salmeron)

PATENT  
Docket No. 543312000401

MAY 18 2007

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Patent Application of:  
Ravinder S. DHALLAN

Serial No.: 11/212,812

Filing Date: August 26, 2005

For: METHODS FOR DETECTION OF  
GENETIC DISORDERS

Examiner: E. Whisenant  
Group Art Unit: 1634  
Confirmation No.: 8885

INFORMATION DISCLOSURE  
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of foreign patent and non-patent literature documents numbered 126, 128, 137, 143, 161, 173, 182, 195, 199, 202, 207, 214, 218, 221, 223, 238, 240, 243, 249, 274, 310, 325, 329, 358-359, 361, 375, 386, 389 and 400 are submitted herewith. However, copies of the remaining documents cited in the attached Form PTO/SB/08a/b were previously submitted in an Information Disclosure Statement and/or Office Action, directed to the related application Serial Number 10/661,165, filed September 11, 2003, and, accordingly, copies are not included herewith. This protocol conforms with 37 C.F.R. § 1.98(d) and M.P.E.P. 609(A)(2). The Examiner is requested to make these documents of record in the application.

Application Serial No. 11/212,812

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This Information Disclosure Statement is submitted:

- With the application; accordingly, no fee or separate requirements are required.
- Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
  - A fee is required. A check in the amount of \_\_ is enclosed.
  - A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
  - A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly; no fee is believed to be due.
- After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
  - A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the amount of \_\_ is enclosed.
  - A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)

Applicant would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

Application Serial No. 11/212,812

PATENT

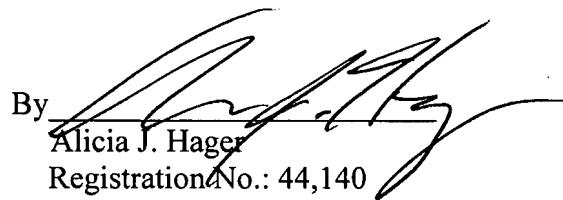
Docket No. 543312000401

In the unlikely event that the transmittal form is separated from this document and the Patent and Trademark Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicant petitions for any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petition and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing **543312000401**.

Dated: May 18, 2007

Respectfully submitted,

By

  
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ALTERNATIVE TO PTO/SB/08a/b (07-05)

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
Sheet	1	of	17	Application Number	11/212,812
				Filing Date	August 26, 2005
				First Named Inventor	Ravinder S. DHALLAN
				Art Unit	1634
				Examiner Name	E. Whisenant
				Attorney Docket Number	543312000401

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US-2001/0051341-A1	12-13-2001	Lo et al.	
	2.	US-2002/0045176-A1	04-18-2002	Lo et al.	
	3.	US-2002/0119478-A1	08-29-2002	Umansky et al.	
	4.	US-2003/0044388-A1	03-06-2003	Dennis et al.	
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	9.	US-2003/0180746-A1	09-25-2003	Kmiec et al.	
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Examiner Signature	Date Considered
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ALTERNATIVE TO PTO/SB/08a/b (07-05)

<p>Substitute for form 1449/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p><i>(Use as many sheets as necessary)</i></p>				<b>Complete if Known</b>	
				Application Number	11/212,812
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				Art Unit	1634
				Examiner Name	E. Whisenant
Sheet	2	of	17	Attorney Docket Number	543312000401

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72.	US-6,183,958-B1	02-06-2001	Stanton, Jr.	
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				First Named Inventor	Ravinder S. DHALLAN
				Art Unit	1634
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Sheet	3	of	17	Attorney Docket Number	543312000401

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93.	US-6,379,896-B1	04-30-2002	Stanton, Jr.	
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95.	US-6,395,547-B1	05-28-2002	Stemmer	
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102.	US-6,518,065-B1	02-11-2003	Stemmer	
103.	US-6,537,746-B2	03-25-2003	Arnold et al.	
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105.	US-6,573,300-B2	06-03-2003	Chang et al.	
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110.	US-6,638,722-B2	10-28-2003	Ji et al.	
111.	US-6,642,034-B2	11-04-2003	Lizardi	
112.	US-6,673,541-B1	01-06-2004	Klein et al.	
113.	US-6,673,551-B2	01-06-2004	Stanton, Jr.	
114.	US-6,703,228-B1	03-09-2004	Landers et al.	
115.	US-6,730,517-B1	05-04-2004	Koster et al.	
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<b>FOREIGN PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY		
	118.	EP-0994963-A1, B1	04-26-2000	Isis Innovation Limited	
	119.	GB-2299166-A, B	09-25-1996	Valeri Vasioukhin	
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	124.	WO-99/54498-A1	10-28-1999	Zeneca Limited	
	125.	WO-02/04672-A2, A3	01-17-2002	Simeg Limited	
	126.	WO-02/055985-A2, A3	07-18-2002	Roche Diagnostics Corporation	
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	128.	WO-03/001181-A2, A3	01-03-2003	Quest Diagnostics Incorporated	

Examiner Signature	Date Considered
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Sheet	4	of	17	Attorney Docket Number	543312000401

129.	WO-03/074723-A2, A3	09-12-2003	Dhallan		
130.	WO-03/074740-A1	09-12-2003	Dhallan		
131.	WO-03/106642-A2, A3	12-24-2003	Affymetrix, Inc.		
132.	WO-2004/078994-A2, A3	09-16-2004	Ravgen, Inc.		
133.	WO-2004/079011-A1	09-16-2004	Dhallan		

\*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
	134.	Ahlquist, D. A. et al. (2000). "Colorectal Cancer Screening by Detection of Altered Human DNA in Stool: Feasibility of a Multitarget Assay Panel," <i>Gastroenterology</i> 119:1219-1227.			
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Examiner Signature		Date Considered
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	145.	Bauer, M. et al. (January 2002). "Detection of Maternal Deoxyribonucleic Acid in Umbilical Cord Plasma by Using Fluorescent Polymerase Chain Reaction Amplification of Short Tandem Repeat Sequences," <i>Am. J. Obstet. Gynecol.</i> 186:117-120.	
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	147.	Bennett, P.R. et al. (August 26, 1993). "Prenatal Determination of Fetal RhD Type by DNA Amplification," <i>The New England Journal of Medicine</i> 329(9):607-610.	
	148.	Bianchi, D.W. (1998). "Current Knowledge About Fetal Blood Cells in the Maternal Circulation," <i>J. Perinat. Med.</i> 26:175-185.	
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	152.	Bianchi, D.W. (May 2002). "Prenatal Exclusion of Recessively Inherited Disorders: Should Maternal Plasma Analysis Precede Invasive Techniques?" <i>Clinical Chemistry</i> 48(5):689-670.	
	153.	Bianchi, D.W. (September 2000). "Fetal Cells in the Mother: From Genetic Diagnosis to Diseases Associated with Fetal Cell Microchimerism," <i>European Journal of Obstetrics &amp; Gynecology and Reproductive Biology</i> 92:103-108.	
	154.	Bianchi, D.W. et al. (1990). "Isolation of Fetal DNA From Nucleated Erythrocytes in Maternal Blood," <i>Proc. Natl. Acad. Sci USA</i> 87:3279-3283.	
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Substitute for form 1449/PTO				<b>Complete if Known</b>	
				Application Number	11/212,812
				Filing Date	August 26, 2005
				First Named Inventor	Ravinder S. DHALLAN
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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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				Art Unit	1634
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	400.	Zheng, S. et al (June 2001). "Whole Genome Amplification Increases the Efficiency and Validity of Buccal Cell Genotyping in Pediatric Populations," <i>Cancer Epidemiology, Biomarkers, &amp; Prevention</i> 10:697-700.	
	401.	Zhong, X.Y. et al. (2000). "Fetal DNA in Maternal Plasma is Elevated in Pregnancies with Aneuploid Fetuses," <i>Prenatal Diagnosis</i> 20:795-798.	
	402.	Zhou, G-H. et al. (2001). "Quantitative Detection of Single Nucleotide Polymorphisms for a Pooled Sample by a Bioluminometric Assay Coupled with Modified Primer Extension Reactions (BAMPER)," <i>Nucleic Acids Research</i> 29(19):1-11.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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